

AMENDMENTS TO THE CLAIMS:

Please cancel without prejudice claims 1-16 and add newly written claims 17-36 as follows.

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-16. (*Cancelled*)

17. (*New*) A bistable nematic liquid crystal device comprising;
a first cell wall and a second cell wall, said first cell wall and said second cell wall enclosing a layer of liquid crystal material,
wherein said first cell wall has a first surface treated to provide a bistable pretilt to molecules of liquid crystal material and said second cell wall has a first surface treated to provide monostable alignment to molecules of liquid crystal material,
wherein said bistable nematic liquid crystal device provides two stable and optically distinguishable liquid crystal configurations.

18. (*New*) A device according to claim 17 wherein the first surface of the second cell wall is treated with one of a planar, a degenerate planar or a homeotropic surface treatment.

19. (*New*) A device according to claim 17 wherein said layer of liquid crystal material comprises a nematic liquid crystal material

20. *(New)* A device according to claim 17 wherein said layer of liquid crystal material comprises a long pitch cholesteric liquid crystal material.

21. *(New)* A device according to claim 17 wherein the first surface of the first cell wall comprises a plurality of pillars.

22. *(New)* A device according to claim 21 wherein the height of each of said plurality of pillars is within the range of 1-3 μ m.

23. *(New)* A device according to claim 21 wherein the width of each of said plurality of pillars is within the range of 5-50 μ m.

24. *(New)* A device according to claim 21 wherein the width of each of said plurality of pillars is greater than 50 μ m.

25. *(New)* A device according to claim 21 and further comprising a plurality of beads dispersed in said layer of liquid crystal material.

26. *(New)* A cell wall for a bistable nematic liquid crystal device, said cell wall having a first surface with a patterned surface profile to provide two different pretilt angles in the same azimuthal plane to molecules of liquid crystal material, wherein said patterned surface profile comprises at least one pillar.

27. *(New)* A device including a cell wall according to claim 26 wherein the height of each of said plurality of pillars is within the range of 1-3 μ m.

28. *(New)* A device including a cell wall according to claim 26 wherein the width of each of said plurality of pillars is within the range of 5-50 μ m.

29. *(New)* A device including a cell wall according to claim 26 wherein the width of each of said plurality of pillars is greater than 50 μ m.

30. *(New)* A device including a cell wall according to claim 26 wherein said pillars are embossed.

31. *(New)* A liquid crystal device providing two stable and optically distinguishable liquid crystal configurations, said device comprising a cell wherein said cell has a cell wall according to claim 26.

32. *(New)* A liquid crystal device providing a first stable liquid crystal configuration and a second stable liquid crystal configuration, said first stable liquid crystal configuration being optically distinguishable from said second stable liquid crystal configuration, said device comprising a cell, said cell having at least one cell wall having a first surface to provide two different pretilt angles in the same azimuthal plane to molecules of liquid crystal material, wherein said first stable liquid crystal configuration is a twisted molecular configuration.

33. (*New*) A device according to claim 32 wherein said second stable liquid crystal configuration is a non twisted molecular configuration.

34. (*New*) A device according to claim 32 wherein said molecules of liquid crystal material exhibit positive dielectric anisotropy.

35. (*New*) A device according to claim 32 wherein said molecules of liquid crystal material exhibit negative dielectric anisotropy.

36. (*New*) A bistable nematic liquid crystal device comprising;
a first cell wall and a second cell wall, said first cell wall and said second cell wall enclosing a layer of liquid crystal material,
wherein said first cell wall has a first surface treated to provide two different pretilt angles to molecules of liquid crystal material and said second cell wall has a first surface treated to provide monostable alignment to molecules of liquid crystal material,
wherein said bistable nematic liquid crystal device provides two stable and optically distinguishable liquid crystal configurations.